

DOC2A antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15147**Specification**

DOC2A antibody - N-terminal region - Product Information

Application	WB
Primary Accession	Q14183
Other Accession	NM_003586 , NP_003577
Reactivity	Human, Mouse, Rat, Rabbit, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	44kDa kDa

DOC2A antibody - N-terminal region - Additional Information**Gene ID** 8448

Alias Symbol	Doc2
Other Names	
Double C2-like domain-containing protein alpha, Doc2, Doc2-alpha, DOC2A	

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-DOC2A antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

DOC2A antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

DOC2A antibody - N-terminal region - Protein Information**Name** DOC2A**Function**

Calcium sensor which most probably regulates fusion of vesicles with membranes. Binds calcium and phospholipids. May be involved in calcium dependent neurotransmitter release through the interaction with UNC13A. May be involved in calcium-dependent spontaneous release of neurotransmitter in absence of action potentials in neuronal cells. Regulates Ca(2+)-dependent secretory lysosome exocytosis in mast cells.

Cellular Location

Lysosome. Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane; Peripheral membrane protein. Synapse, synaptosome

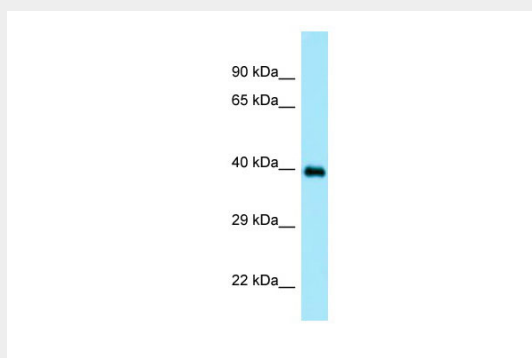
Tissue Location

Predominantly expressed in brain. Also expressed in testis.

DOC2A antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DOC2A antibody - N-terminal region - Images

WB Suggested Anti-DOC2A Antibody Titration: 1.0 µg/ml

Positive Control: Placenta

DOC2A antibody - N-terminal region - References

- Orita S., et al. Biochem. Biophys. Res. Commun. 206:439-448(1995).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Martin J., et al. Nature 432:988-994(2004).
Sakaguchi G., et al. Biochem. Biophys. Res. Commun. 217:1053-1061(1995).
Mochida S., et al. Proc. Natl. Acad. Sci. U.S.A. 95:11418-11422(1998).